

Might These Machines
Be Affordable?

R. P. Samios

Retrospective:

ITER

International Thermonuclear Energy Reactor

SSC

Superconducting Super Collider

International

$\delta_{\text{eff}} - 10 \text{ B}$

8 - 10 years

Served Administrations

Both Cancelled

LHC

Consequences

Fusion - red book - R&D mode

High Energy - less of 6 years in

a Hanning TEV scale
+ less to time logical
program.

Ongoing Projects

SNS Spallation Neutron Source

NIF National Ignition Facility

National

1 - 1.5 B

6 years program

on Both - some difficulties

[redacted]

JHF

US Political Climate.

Budget Cuts. 1997 5 years

Deficit Reduction Programs

Present 2,000

Projected budget surplus
but assume cuts.

Result: Confusion

However:

- 10B Projects unlikely in next 3-5 years
- 1-2B Projects possible.
- 2-5B - double & ongoing

new Paradigm after ~3 years

Large Circular Machines

Based on superconducting.

μ collides even more so!

Tevatron

Hera.

RHIC

LHC